

ABSTRACT

A printer (103) belongs to a service set (107)
5 and communicates via an access point (101) in the
infrastructure mode. The printer (103) searches for a
beacon periodically. If a beacon is received from a
terminal such as a digital camera (104), the printer
registers the terminal address, service-set identifier
10 and communication mode, which are contained in the
beacon, in a function table. The printer sends each
terminal, which has been registered in the function
table, a frame that is for searching for a terminal
that has a required function. If the response to the
15 frame is positive, then the printer registers the fact
that the search succeeded in the function table. A
similar function search is conducted also by a digital
camera (104) for which a print command has been issued,
and the digital camera creates a function table. If
20 there is a terminal (a printer) having the required
function, the digital camera (104) transmits print
data to this terminal.